

Docket No. 3008-0003  
File No. 521.41472X00  
Client Ref: PHCA-9921



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Shibata et al. : Group Art Unit: 2814  
Serial No. 09/558,588 : Examiner: D. Wille  
Filed: April 26, 2000 :  
For: LED OF AlGaInP SYSTEM AND EPITAXIAL WAFER USED FOR SAME

13/Pre a  
J. Steptun  
8-7-02

TECHNOLOGY CENTER 2800

JUL 29 2002

RECEIVED

PRELIMINARY AMENDMENT

Honorable Assistant  
Commissioner  
for Patents  
Washington, DC 20231

Sir:

This preliminary amendment is directed to the above-referenced application. Prior to examination, please amend the application as follows:

IN THE CLAIMS

Please amend claims 15, 17, 19 and 21 as follows:

15. A LED of AlGaInP system, comprising:  
a substrate having n-type conductivity,  
a n-type cladding layer formed of compound semiconductor of AlGaInP system,  
an active layer formed of compound semiconductor of AlGaInP system having a smaller band gap energy than that of said n-type cladding layer,

Al  
cont